

32 FILES HAVE ONE OR MORE ANSWERS, 74 FILES SEARCHED IN STNINDEX

L1 QUE (WATER (10A) SOLUB?) AND (SILK (W) (FIBROIN OR PROTEIN))

=> s 11 not hydrolyz?

1 FILE AGRICOLA

1 FILE ANTE

1 FILE AQUASCI

1 FILE BIOENG

7 FILE BIOSIS

6 FILE BIOTECHABS

2 FILE BIOTECHNO

17 FILES SEARCHED...

26 FILE CAPLUS

2 FILE CEABA-VTB

1 FILE CEN

2 FILE CIN

1 FILE CROPU

1 FILE DDFB

59 FILE DGENE

28 FILES SEARCHED...

1 FILE DRUGB

6 FILE EMBASE

3 FILE ESBIOBASE

2 FILE GENBANK

6 FILE IFIPAT

22 FILE JICST-BPLUS

1 FILE LIFESCI

48 FILES SEARCHED...

4 FILE MEDLINE

1 FILE NTIS

10 FILE PASCAL

12 FILE PROMT

17 FILE SCISEARCH

92 FILE USPATFULL

71 FILES SEARCHED...

41 FILE WPIDS

4 FILE WP1FV

41 FILE WPINDEX

32 FILES HAVE ONE OR MORE ANSWERS, 74 FILES SEARCHED IN STNINDEX

L2 QUE L1 NOT HYDROLYZ?

=> s 12 and (skin or hair)

1 FILE BIOTECHABS

1 FILE BIOTECHNO

15 FILES SEARCHED...

4 FILE CAPLUS

1 FILE CIN

1 FILE DDFB

6 FILE DGENE

28 FILES SEARCHED...

1 FILE DRUGB

38 FILES SEARCHED...

5 FILE IFIPAT

46 FILES SEARCHED...

7 FILE PROMT

63 FILES SEARCHED...

60 FILE USPATFULL

5 FILE USPAT2

16 FILE WPIDS

3 FILE WP1FV

16 FILE WPINDEX

14 FILES HAVE ONE OR MORE ANSWERS, 74 FILES SEARCHED IN STNINDEX

L3 QUE L2 AND (SKIN OR HAIR)

=> d rank

60 USPATFULL

F1 16 USPATFULL

F2 16 WPIDS

F3 16 WPINDEX

F4 7 PROMT

F5 6 DGENE

F6 5 IFIPAT

F7 5 USPAT2

F8 4 CAPLUS

F9 3 WP1FV

F10 1 BIOTECHABS

F11 1 BIOTECHDS

F12 1 CIN

F13 1 DDFB

F14 1 DRUGB

=> file hits
COST IN U.S. DOLLARS
TOTAL SESSION
7.68

FULL ESTIMATED COST

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>>>User Break----->

SEARCH ENDED BY USER

SEARCH ENDED BY USER
>> file hits -dgene
SINCE FILE TOTAL
COST IN U.S. DOLLARS ENTRY SESSION
FULL ESTIMATED COST 14.44 22.12

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Enter "HELP STN" for information on contacting the nearest STN Help
Desk by telephone or via .SEND in the STNMAIL file.

=> 5 13

L4 8 FILES SEARCHED...

L4 103 L3

=> d his

(FILE 'HOME' ENTERED AT 12:18:05 ON 17 SEP 2004)

INDEX 'ADISCTI', 'ADISINSIGHT', 'ADISNEWS', 'AGRICOLA', 'AQUALINE', 'ANABSTR', 'ANTE',
'AQUASCII', 'BIODRUGS', 'BIODRUGS', 'BIOMERIA', 'BIOTECHABS', 'BIOTECHDS',
'BIOTECHNO', 'CABA', 'CANCERLIT', 'CAPLUS', 'CEARA-VTB', 'CEN', 'CIN',
'CROPSU', 'DISSABS', 'DDFB', 'DGFU', 'DGENE', '... ENTERED AT 12:20:36 ON 17 SEP 2004
SEA (WATER (10A) SOLUBT) AND (SILK (W) (FIBROIN OR PROTEIN))

1 FILE AGRICOLA
1 FILE ANTE
1 FILE AQUASCII
1 FILE BIODRUGS
7 FILE BIOSIS
9 FILE BIOTECHABS
9 FILE BIOTECHDS
1 FILE CABA
2 FILE BIOTECHNO
27 FILE CAPLUS
2 FILE CEARA-VTB
1 FILE CEN
4 FILE CIN
1 FILE CROPSU
1 FILE DDFB
59 FILE DGENE
1 FILE DRUGB
6 FILE EMBASE
3 FILE ESBIOBASE
1 FILE DDFB
1 FILE GENBANK
10 FILE IFPAT
22 FILE JICST-EPLUS
1 FILE LIFESCI

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4 FILE MEDLINE
1 FILE NTIS
10 FILE PASCAL
23 FILE PROMT
17 FILE SCISEARCH
236 FILE USPATFULL
20 FILE USPAT2
43 FILE WP1DS
4 FILE WP1FV
43 FILE WPINDEX
FILE 'USPATFULL', WPIDS, PROMT, DGENE, IPIPAT, USPAT2, CAPLUS, WPIFY,
BIOTECHDS, CIN, DRUGB* ENTERED AT 12:28:00 ON 17 SEP 2004
-----  

L1 QUE LI NOT HYDROLYZ?  

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1 FILE AGRICOLA
1 FILE ANTE
1 FILE AQUASC1
1 FILE BIOENG
7 FILE BIOSIS
FILE BIOTECHABS
6 FILE BIOTECHDS
6 FILE BIOTECHNO
2 FILE BIOTECRNO
26 FILE CAPLUS
2 FILE CEABA~VTB
2 FILE CEN
2 FILE CIN
1 FILE CROPU
1 FILE DDFB
59 FILE DGENE
1 FILE DRUGB
6 FILE EMBASE
3 FILE ESBIOBASE
2 FILE GENBANK
6 FILE IPIPAT
22 FILE JICST-EPLUS
1 FILE LIFESC1
4 FILE MEDLINE
1 FILE NTIS
10 FILE PASCAL
12 FILE PROMT
17 FILE SCISEARCH
92 FILE USPATFULL
7 FILE USPAT2
41 FILE WP1DS
4 FILE WP1FV
41 FILE WPINDEX
FILE 'USPATFULL', WPIDS, PROMT, DGENE, IPIPAT, USPAT2, CAPLUS, WPIFY,
BIOTECHDS, CIN, DRUGB* ENTERED AT 12:28:46 ON 17 SEP 2004
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L3 QUE L2 AND (SKIN OR HAIR)
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1 FILE BIOTECHABS
4 FILE CAPLUS
1 FILE CIN
1 FILE DDFB
6 FILE DGENE
1 FILE DRUGB
FILE 'USPATFULL', WPIDS, PROMT, IPIPAT, USPAT2, CAPLUS, WPIFY, BIOTECHDS,
CIN, DRUGB* ENTERED AT 12:28:46 ON 17 SEP 2004
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L4 dup rem 14
FILE 'USPATFULL', WPIDS, PROMT, IPIPAT, USPAT2, CAPLUS, WPIFY, BIOTECHDS,
CIN, DRUGB* ENTERED AT 12:28:46 ON 17 SEP 2004
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L5 dup rem 14 (14 DUPLICATES REMOVED)
-----  

L6 s 15 and (spider (w) dragline)
3 LS AND (SPIDER (W) DRAGLINE)
-----  

L7 d 16 bib ab 1-3
-----  

L6 ANSWER 1 OF 3 USPATFULL on STN
AN 2004:172814 USPATFULL
TI Method for purifying and recovering silk proteins in soluble form and
uses thereof
IN Fahnestock, Stephen R., Wilmington, DE, UNITED STATES
Schultz, Thomas M., Randolph, NJ, UNITED STATES
PI US 2004132978 A1 20040708
AI US 2003-704337 A1 20031107 (10)
PRAI US 2002-425617P 20021112 (60)
DT
FS APPLICATION
LREP POTTER ANDERSON & CORROON LLP, ATTN: KATHLEEN W. GEIGER, ESQ., P.O. BOX
951, WILMINGTON, DE, 19899-0951
CLMN Number of Claims: 20
ECL Exemplary Claim: 1
DRAWN No Drawings
LN.CNT 1383
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB A method for purifying and recovering silk proteins in ***water*** -
***soluble*** form is described. The method is based upon
precipitation of the ***silk*** ***protein*** at a temperature
below room temperature, which results in a protein pellet that
redissolves in water without the addition of harsh chemicals. When the
precipitation is done at room temperature, the resulting protein pellet
cannot be redissolved in ***water***. Applications for the
***water*** - ***soluble*** silk proteins in cosmetics,
***skin*** care, ***hair*** coloring products, and for
pigment coating and wound healing bandages are described.
-----  

L6 ANSWER 2 OF 3 WPIDS COPYRIGHT 2004 THOMSON DERTWENT on STN
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L2 QUE L1 NOT HYDROLYZ?  

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L3 QUE L2 AND (SKIN OR HAIR)
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1 FILE BIOTECHABS
1 FILE CAPLUS
4 FILE CIN
1 FILE DDFB
6 FILE DGENE
1 FILE DRUGB

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AN 2004-420314 [39] WPIDS
 DNC 2004-157966
 T1 Purifying and recovering recombinant silk proteins in ***water*** -
 soluble form, useful in the production of cosmetics, ***skin*** -
 care and ***hair*** care compositions, and/or pigment coating and
 wound healing bandages.

DC B04 D16
 IN FARNESTOCK, S R; SCHULTZ, T M
 PA (FAHN-1) FARNESTOCK S R; (SCHU-1) SCHULTZ T M; (DUPO) DU PONT DE NEMOURS &
 CO E I
 CYC 28
 PI WO 200404172 A2 20040527 (200439)* EN 38
 RW: AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PT RO
 SE SI SK TR
 W: JP

ADT WO 200404172 A2 WO 2003-US3161 20031112; US 2004132978 A1 Provisional US
 2002-425617P 20021112; US 2003-704337 20031107
 PRAI US 2002-425617P 20021112; US 2003-704337 20031107
 AB WO200404172 A UPAB: 20040621
 Novelty - Purification of ***water*** - ***soluble*** - ***silk***
 protein from a sample containing ***water*** - ***soluble*** - ***silk***
 protein. ***protein***, is new.

DETAILED DESCRIPTION - Purification of ***water*** -
 soluble - ***silk*** - ***protein*** from a sample containing
 water - ***soluble*** - ***silk*** - ***protein***
 comprises

providing a sample having ***silk*** - ***protein*** in the presence
 of containing proteins, adjusting its pH to an acidic pH, heating the
 adjusted sample to at least 55 deg. C, removing debris from the sample,
 lowering the temperature of the heated sample to below 20 deg. C, adding a
 precipitating agent to the cooled sample to allow ***silk***
 protein to precipitate, where the precipitated ***silk***
 protein may be redissolved in an aqueous solution.

The at least a portion of the ***silk*** - ***protein*** in the
 method cited above is ***water*** - ***soluble*** - ***protein***.

INDEPENDENT CLAIMS are also included for:

(1) purification of ***water*** - ***soluble*** - ***silk***
 protein from a host cell containing ***water*** -
 soluble - ***protein***, comprising providing a
 sample having ***silk*** - ***protein***, a portion of which is
 water - ***soluble***, disprecipitating the host cell to release the
 silk - ***protein*** and producing a crude silk extract,
 adjusting

the pH of the crude silk extract to an acidic pH, heating the adjusted
 sample to at least 55 deg. C, removing cell debris from the extract,
 lowering the temperature of the heated extract to below 20 deg. C, adding
 a precipitating agent to the cooled extract to allow ***silk***
 protein to precipitate, where the precipitated ***silk***
 protein may be redissolved in an aqueous solution; and
 (2) a cosmetic composition, ***skin*** - ***hair*** care composition, or
 silk - ***protein***, comprising a
 soluble - ***silk*** - ***protein***, purified by any of the methods cited
 above.

ACTIVITY - Dermatological; Vulnerary. No biological data given.
 USE - The methods and compositions of the present invention of

purifying and recovering recombinant silk proteins in ***water*** -
 soluble form, useful in the production of cosmetics, ***skin*** -
 care and ***hair*** care compositions, and/or pigment coating and
 wound healing bandages.

Dog.0/0

L6 ANSWER 3 OF 3 IFIPAT COPYRIGHT 2004 IFI on STN
 AN 10663355 IFIPAT;1FLUID;1FICDB
 T1 ***WATER*** - ***SOLUBLE*** - ***SKIN*** CARE, ***HAIR*** CARE OR ***HAIR*** COLORING
 INF Fahnestock; Stephen R., Wilmington, DE, US
 Fahnestock, Stephen M., Randolph, NJ, US
 IN Fahnestock Stephen R; Schultz Thomas M
 PAF Unassigned
 PA Unassigned or Assigned To Individual (68000)
 PPA E I DU PONT DE NEMOURS AND CO (Probable)
 AG E I DU PONT DE NEMOURS AND COMPANY;LEGAL PATENT RECORDS CENTER, BARLEY
 MILL PLAZA 25/ 1128, 4417 LANCASTER PIKE, WILMINGTON, DE, 19805, US
 P1 US 2004170590 A1 20040902
 A1 US 2004-772124 20040204
 PRAI US 2003-449352P 20030220 (Provisional)
 FI US 2004170590 20040902
 DT Utility; Patent Application - First Publication
 FS APPLICATION

C1M 22 ***skin*** care, ***hair*** care and ***hair*** coloring
 AB compositions comprising a ***water*** - ***soluble*** - ***protein*** as an active ingredient are described. The ***water*** - ***soluble*** - ***protein***, ***skin*** or the natural ***hair*** deposits onto the ***skin*** or the natural ***hair*** keratin to provide a smooth and durable film to provide added strength for protection against environmental, chemical, and grooming associated damage. The compositions may be in the form of ***skin*** care, ***skin*** cleaning, or anti-wrinkle products, shampoos, conditioners, lotions, aerosols, gels, mousse, dyes, or bleaches.

ANSWER 1 OF 2 USPATFULL on STN
 2000-131638 USPATFULL
 T1 Molluscan Ligament Polypeptides and genes encoding them
 IN Bayley, Hagan, 1800 Springbrook Estates Dr., College Station, TX, United
 States 77845
 Cao, Qiping, 15 Sandpiper Dr., Shrewsbury, MA, United States 01545
 L8 Wang, Yunjuan, 4300 Boyett St., Bryan, TX, United States 77801
 PI US 612716
 A1 US 1997-963168 20001003
 DT 19971103 (8)
 FS Granted

EXNAM Primary Examiner: Prouty, Rebecca E.; Assistant Examiner: Monshipouri,

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92 FILE USPATFULL
    7 FILE USPAT2
    41 FILE WP1DS
    4 FILE WP1FV
    41 FILE WPINDEX
    QUE LI NOT HYDROLYZ?
    -----
    SEA L2 AND (SKIN OR HAIR)
    -----
    1 FILE BIOTECHADS
    1 FILE BIOTECHDS
    4 FILE CAPLUS
    1 FILE CIN
    1 FILE DDFB
    6 FILE DGENE
    1 FILE DRUGB
    5 FILE IFPAT
    7 FILE PROMT
    60 FILE USPATFULL
    5 FILE USPAT2
    16 FILE WP1DS
    3 FILE WP1DS
    16 FILE WP1FV
    16 FILE WPINDEX
    QUE L2 AND (SKIN OR HAIR)
    -----
FILE 'USPATFULL, WP1DS, PRMT, DGENE, IFPAT, USPAT2, CAPLUS, WP1FV,
BIOTECHDS, CIN, DRUGB' ENTERED AT 12:28:00 ON 17 SEP 2004
FILE 'USPATFULL, WP1DS, PRMT, IFPAT, USPAT2, CAPLUS, WP1FV, BIOTECHDS,
CIN, DRUGB' ENTERED AT 12:28:46 ON 17 SEP 2004
L4      103 S L3
L5      89 DUP REM L4 (14 DUPLICATES REMOVED)
L6      3 S L5 AND (SPIDER (W) DRAGLINE)
L7      5 S L5 AND SPIDER
L8      2 S L7 NOT L6

-> log h
COST IN U.S. DOLLARS          SINCE FILE          TOTAL
                                ENTRY          SESSION
FULL ESTIMATED COST          65.63          87.75

SESSION WILL BE HELD FOR 60 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 12:31:54 ON 17 SEP 2004

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